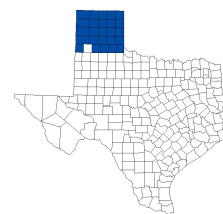


Texas Cardiovascular Health & Wellness Program

Texas Department of State Health Services



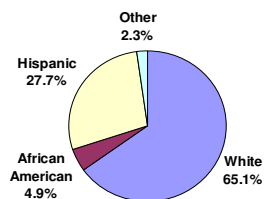
ST Elevation Myocardial Infarction (STEMI) Facts

Texas Trauma Service Area (TSA) A

Updated March 2010

<http://www.dshs.state.tx.us/wellness/data.shtm>

Demography of TSA A in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	108,519	55,605	52,914	25.7
18-29	76,388	55,605	52,914	18.1
30-34	81,106	55,605	52,914	19.2
35-64	101,469	55,605	52,914	24.0
65+	55,108	55,605	52,914	13.0
Total	422,590	211,769	210,821	100.0

Prevalence¹ (%) of Heart Attack, Adults (18+ years), 2005 - 2008

Heart Attack Age-Adjusted Mortality Rates² (per 100,000) 2001- 2006

	TSA A	Texas	TSA A	Texas	TSA A Ages <65	TSA A Ages 65+
Total	4.5	4.5	65.1	69.9	18.4	381.6
Male	4.6	3.6	78.9	86.2	25.2	411.8
Female	4.3	5.0	51.0	56.8	9.7	343.6
White	5.0	3.8	66.5	69.2	23.3	389.6
African American	2.6	2.4	55.0	87.0	6.9	312.6
Hispanic	3.0	3.9	41.0	64.9	5.8	206.3

Hospital Discharge Data³ for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA A	Texas	TSA A	Texas	TSA A	Texas
Number of Discharges	262	11,630	145	6,932	117	4,707
Total Charges	\$15,784,810	\$926,981,129	\$8,596,336	\$544,602,262	\$7,188,474	\$382,378,867

Texas EMS/Trauma Registry Data⁴ for TSA A by Time (Min), 2007

	TSA A	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	7.4	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	15.9	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	17.2	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	38.6	39.7

¹ 2005, 2006, 2007, and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction.

² 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Attack (ICD-10 Code I21-I22); Age adjusted to the US 2000 census population

³ 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

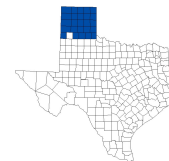
⁴ Texas EMS/Trauma Registry Data Selected in 2007. The selection criteria are:

- Calls received during 2007
- Suspected Illness types defined as cardiac arrest, cardiac rhythm disturbance, and chest pain/discomfort
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

* Unable to calculate due to small sample size (< 50 respondents).

Texas Cardiovascular Health & Wellness Program

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Heart Attack Facts

Texas Trauma Service Area (TSA) A

Heart Disease Risk Factors¹, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA A	Texas	High Blood Cholesterol (2005 & 2007)	TSA A	Texas
Total	7.6	9.0	Total	33.9	36.4
Male	6.4	8.8	Male	34.1	37.0
Female	8.6	9.2	Female	33.8	35.8
White	7.8	8.0	White	36.8	38.2
African American	7.9	12.4	African American	*	32.1
Hispanic	7.3	10.0	Hispanic	26.8	33.4
Current Smoker	TSA A	Texas	High Blood Pressure (2005 & 2007)	TSA A	Texas
Total	20.6	18.9	Total	23.0	26.1
Male	25.0	22.0	Male	22.2	25.9
Female	16.6	16.0	Female	23.7	26.3
White	20.0	19.7	White	24.4	28.5
African American	36.1	22.6	African American	*	38.5
Hispanic	16.4	16.7	Hispanic	11.6	19.2
Obesity ² (BMI≥30)	TSA A	Texas	No Leisure Time Physical Activity ³	TSA A	Texas
Total	30.0	27.7	Total	31.4	28.2
Male	30.6	28.1	Male	29.1	25.4
Female	29.5	27.3	Female	33.4	30.8
White	29.5	24.7	White	26.1	23.6
African American	40.8	38.1	African American	45.0	32.8
Hispanic	29.9	31.8	Hispanic	40.9	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA A	Texas
Pain or discomfort in jaw, neck or back	34.1	39.3
Feeling weak, lightheaded, or faint	55.4	54.1
Chest pain or discomfort	83.4	86.5
Pain or discomfort in the arms or shoulders	70.1	78.4
Shortness of breath	71.1	79.0
<i>Recognizes all heart attack symptoms</i>	8.4	8.9
Would call 911 as a first response if Heart Attack OR Stroke is suspected	85.5	85.1

¹ 2005, 2006, 2007 and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

² Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

³ Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey

<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

The "*" indicates that the sample size was not a statistically valid sample size (< 50 respondents).